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Polymer based fabric mixts. with plastisol properties - contg. polyethylene and/or its polypropylene comonomers and plasticisers consisting of olefinic unsatd. hydrocarbon cpds., used as sealant in metal industry, etc.

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Patent Family

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| ZA 9508406 | A | 19960626 | ZA 958406 | A | 19951005 | 199631 | |
| WO 9611232 | A3 | 19960613 | WO 95EP3860 | A | 19950929 | 199633 | |

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Patent Details

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Abstract:

DE 4435643 A

Polymer based fabric mixts. consist of polyethylene and/or its propylene copolymers and/or coupled to monomers comprising lower olefinic unsatd. carboxylic acids, their corresp. alcohols and/or their derivs.

Also contained are plasticisers obt'd. from satd. and/or olefinic unsatd. hydrocarbon cpds. with C-numbers which correspond to fatty acids, fatty alcohols and/or their derivs. The polymers have a molecular structure in which functional gps. are present in concns. which guarantee good bond strength between Plastigel and the solid substrate surface.

USE - Used as a sealing cpd. or adhesive for flange seams in the metal industry, as corrosion preventing overlay for metals, e.g. undercoat for automobiles, for impregnating and coating textile materials substrates (e.g. as carpet underlay sheath/coating), as cable insulation, and as adhesive in prodn. of

safety glass, etc.

ADVANTAGE - The plastisol is PVC free whilst retaining useful properties of conventional PVC contg. compsns.

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